

found and recognized at the time of this invention by reviewing the X-ray diffraction (XRD) patterns of recording media with a RuAl underlayer and a Cr/CrW<sub>10</sub> underlayer. A copy of the correct XRD patterns is attached hereto for reference.

Attached hereto is a marked-up version of the changes made to the claims by this amendment. The attached pages are captioned "Version with markings to show changes made."

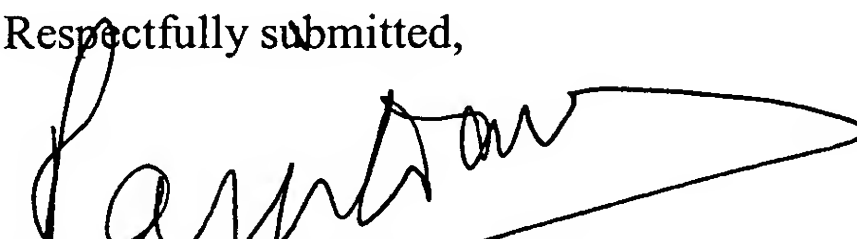
In light of this Amendment, a Notice of Allowance is respectfully solicited.

In the event that the transmittal letter is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952, referencing docket number 146712002800. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Respectfully submitted,

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By:

  
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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**In the Specification:**

Delete paragraph starting on page 10, lines 20 and 21.

Amend paragraph on page 11, lines 1 and 2, as follows:

(Amended) Figure [5] 4 shows one embodiment of the layered structure of the recording medium of this invention.

Amend paragraph on page 11, lines 13-20, as follows:

(Amended) Figure [5] 4 shows one embodiment of the layered laminate structure of the invention. The sequential stacking arrangement of the recording media can include a substrate 51, a ruthenium-aluminum-containing underlayer 52, optionally a chromium-containing second underlayer 53, and a magnetic layer 54. Other embodiments can also include one or more of the following layers; a seedlayer, a protective overcoat layer, and one or more additional underlayers and one or more intermediate layers disposed between the ruthenium-aluminum-underlayer and the magnetic layer.

Amend paragraph starting on page 20, line 16 and ending on page 21, line 2, as follows:

(Amended) [Figure 4 shows] X-ray diffraction (XRD) patterns of recording media with a RuAl underlayer and a Cr/CrW<sub>10</sub> underlayer were taken. The thickness of RuAl and the total thickness of Cr and CrW both were about 300Å. The X-ray diffraction data was taken in the  $\theta$ -2 $\theta$  mode. The CoCr<sub>37</sub> intermediate layer and CoCr<sub>15</sub>Pt<sub>12</sub>B<sub>12</sub> magnetic layer had a thickness of 45Å and 180Å, respectively. Both underlayers [exhibit] exhibited cubic (200) preferred

crystallographic orientations. Both recording media [exhibit] exhibited a Co(11.0) preferred crystallographic orientations, which is desirable for high-density longitudinal magnetic recording.

Cancel Figure 4.

Change legend of original "Figure 5" to --Figure 4--.

## Attachment

Correct X-ray diffraction (XRD) patterns of recording media with a RuAl underlayer and a Cr/CrW<sub>10</sub> underlayer.

